

NEW PRODUCTS EVALUATION COMMITTEE MEETING

February 11, 2016

Georgia Department of Transportation--Office of Materials and Testing
15 Kennedy Dr. Forest Park, GA 30297

<u>NPE COMMITTEE</u>			
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(404) 608-4805	OMAT Room 108	(404) 608-4816	OMAT Room 305
		Nancy F. Smith C (404)694-6761	<i>OMAT</i>
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<u>NPE COMMITTEE MEMBERS</u>			
Brad Young	<i>OMAT - Soil, Physical, & Chemical</i>	Tony Eadie	<i>G.O. – Roadway Design</i>
(404) 608-4813	OMAT Room 306	(404) 631-1662	G.O. Roadway Design 27 th floor -Cubicle 2714
Lyn Clements Bill DuVall	<i>G.O. - Bridge Design & Maintenance</i>	Larry Barnes Michael Keene	<i>Maintenance</i>
(404) 631-1949 (404) 631-1883	<i>G.O. Bridge Office 24th floor</i>	C (404) 772-9922 C (706) 836-8480)	<i>G.O. Maintenance</i>
Keith Murphy C (404) 623-9325 (404) 635-2849	<i>TMC - Traffic Operations</i> <i>TMC - Bldg. 24</i>	Todd Wood C (706) 567-8691 (404) 631-1970	<i>G.O. – Construction</i> <i>G.O. 11th Floor</i>
Beau Quarles (404) 631-1615	<i>G.O. – Design Policy and Support</i> <i>G.O. 25th Floor</i>	Shajan Joseph C (404) 272-9264 (404) 347-0604	<i>State Utilities Construction Engineer</i> <i>G.O. 10th Floor</i>
Daryl L. Williams C (404) 326-5986 (404) 631-1763	<i>Environmental Compliance Bureau</i>	Ben Ruzowicz (706) 552-4470 Athens	<i>GA Soil and Water Conservation Commission</i>
Michael Hester (770) 347-0683	<i>Office of Transportation Data</i> <i>North Annex</i>		

<u>ASSISTING IN LOCATING FIELD TEST SITES</u>			
Clayton Bennett C (404) 519-9287 (404) 635-2889	<i>Bridge Maintenance</i>	Edlin Regis C (404) 326-5611 (770) 986-1266	<i>Signal Engineer District 7</i>

Presentations

Time	*NPE # / Product*	*Guest(s)*	*Meeting type* (In Person, Phone Conf.)	*Phone Number*
9:00	NPE #1511-1 – Castek, Inc. (A Transpo Industries Company) - "T-17 MMA Polymer Concrete Patching	Guy Harrigan	In Person	919-935-3947 - cell
9:15	NPE #1511-2 – Master Dowel – "Master Dowel"	Brad Zaun	In Person	515-306-7868 - cell
9:30	NPE #:1512-1 – Unique Paving Materials Corp. – "UNIQUE® High Performance Fast Set Mortar"	Josh Pemberton	Phone Conf.	800-441-4880
9:45	NPE #:1601-7 – Synteen Technical Fabrics, Inc. – "TF120"	Jon Nimberger	In Person	719-243-7940 - cell

	NPE #:1601-8 – Synteen Technical Fabrics, Inc. – “SF12”	Jon Nirnberger	In Person	719-243-7940 - cell
	NPE #:1601-9 – Synteen Technical Fabrics, Inc. – “STF P12”	Jon Nirnberger	In Person	719-243-7940 - cell
10:20	NPE #:1601-4 – Tensar International Corporation – “TriAx TX160 Geogrid”	Doug Brown Kevin Riggs	In Person	404-414-0595 - cell
10:35	NPE #: 1601-1 – TenCate Geosynthetics – “Mirafi® RS580i”	Bruce Lacina	In Person	404-242-5627 - cell
	NPE #: 1601-2 – TenCate Geosynthetics – “Mirafi® RS380i”	Bruce Lacina	In Person	404-242-5627 - cell
	NPE #: 1601-3 – TenCate Geosynthetics – “Mirafi® RS280i”	Bruce Lacina	In Person	404-242-5627 - cell
11:10	NPE #: 1601-5 – Huesker – “Fornit 20/20”	Mike Clements	In Person	704-877-2714 – cell
	NPE #:1601-6 – Huesker – “Fornit 30”	Mike Clements	In Person	704-877-2714 – cell
11:35	Present the new GSWCC approval process.	Ben Ruzowicz	In Person	

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NEW BUSINESS

NPE #: 1511-1 – Castek, Inc. (A Transpo Industries Company) - “T-17 MMA Polymer Concrete Patching Material”

Product Description: T-17 is a 100% reactive, rapid setting, solvent-free methacrylate (MMA) polymer concrete system that can be used as a repair for patching, grouting and structural repairs.

Material Composition: 2 – component MMA resin, MMA primer, powder, (sand) and aggregate.

Recommended Use: Patching and structural repairs on bridge decks, parking garages, spall and pothole repairs, headers and joints.

Product meets GDOT Specification: Product falls outside of current GDOT specification

Cost: \$90.00 per cubic foot

Committee Recommendation:

Important Dates:

Notes:

MEETS SPECS _ ACCEPT __ REJECT _ FIELD TEST _ LAB TEST _ ACTION PDG. _ NO APP. _ WITHDRAWN _
WITHDRAWN/NO ACTION _ PROJECT TO PROJECT _ ALLOW THE USE _

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NPE #: 1511-2 – Master Dowel – “Master Dowel”

Product Description: Fiberglass reinforced (FRP) dowels and steel (306) dowel bar baskets.

Material Composition: Boron-free E-Glass greater than 75% by weight, vinyl base resin.

Recommended Use: Joint Plain Concrete Pavement (JPCP) construction 10” – 12”

Product meets GDOT Specification: Product falls outside of current GDOT specification. Details: GDOT has approved epoxy coated steel dowels, net fiberglass reinforced dowels.

Cost: Pricing enclosed.

Committee Recommendation:

Important Dates:

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NPE #: 1512-1 – Unique Paving Materials Corp. – “UNIQUE® High Performance Fast Set Mortar”

Product Description: A blend of hydraulic cement, graded silica sand and performance-enhancing additives.

Material Composition: A blend of hydraulic cement, graded silica sand and performance-enhancing additives.

Recommended Use: Use to repair roadways, industrial floors, loading docks, parking garages, bridge decks, footings and sidewalks.

Product meets GDOT Specification: Product falls outside of current GDOT specification.

Cost: \$38.00

Committee Recommendation:

Important Dates:

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NPE #: 1601-1 – TenCate Geosynthetics – “Mirafi® RS580i”

Product Description: When superior performance, flexibility and versatility are necessary, Mirafi® RS580i geosynthetic make the difference for varying application needs including: base course reinforcement and subgrade stabilization for road, runway and railway construction; embankment stabilization on soft foundations; reinforcement for mechanically stabilized earth (MSE) structures; liner support, voids bridging, reinforcement over soft hazardous pond closures and other environmental market applications.

Material Composition: Mirafi® RS580i-is a revolutionary roadway reinforcement geotextile created from super high-tenacity polypropylene filaments formed into an innovative weave to provide superior reinforcement strength and soil interaction integrated with high water flow and soil retention capabilities.

Recommended Use: Roadway: Base Course Aggregate Reinforcement, Soft Subgrade Soil Stabilization.

Product meets GDOT Specification: No Existing GDOT Specification. Product falls outside of current GDOT specification.

Cost: Varies

Committee Recommendation:

Important Dates:

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NPE #: 1601-2 – TenCate Geosynthetics – “Mirafi® RS380i”

Product Description: When superior performance, flexibility and versatility are necessary, Mirafi® RS380i geosynthetic make the difference for varying application needs including: base course reinforcement and subgrade stabilization for road, runway and railway construction; embankment stabilization on soft foundations; reinforcement for mechanically stabilized earth (MSE) structures; liner support, voids bridging, reinforcement over soft hazardous pond closures and other environmental market applications.

Material Composition: Mirafi® RS380i-is a revolutionary roadway reinforcement geotextile created from super high-tenacity polypropylene filaments formed into an innovative weave to provide superior reinforcement strength and soil interaction integrated with high water flow and soil retention capabilities.

Recommended Use: Roadway: Base Course Aggregate Reinforcement, Soft Subgrade Soil Stabilization.

Product meets GDOT Specification: No Existing GDOT Specification. Product falls outside of current GDOT specification.

Cost: Varies

Committee Recommendation:

Important Dates:

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NPE #: 1601-3 – TenCate Geosynthetics – “Mirafi® RS280i”

Product Description: When superior performance, flexibility and versatility are necessary, Mirafi® RS280i geosynthetic make the difference for varying application needs including: base course reinforcement and subgrade stabilization for road, runway and railway construction; embankment stabilization on soft foundations; reinforcement for mechanically stabilized earth (MSE) structures; liner support, voids bridging, reinforcement over soft hazardous pond closures and other environmental market applications.

Material Composition: Mirafi® RS280i-is a revolutionary roadway reinforcement geotextile created from super high-tenacity polypropylene filaments formed into an innovative weave to provide superior reinforcement strength and soil interaction integrated with high water flow and soil retention capabilities.

Recommended Use: Roadway: Base Course Aggregate Reinforcement, Soft Subgrade Soil Stabilization.

Product meets GDOT Specification: No Existing GDOT Specification. Product falls outside of current GDOT specification.

Cost: Varies

Committee Recommendation:

Important Dates:

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NPE #: 1601-4 – Tensar International Corporation – “TriAx TX160 Geogrid”

Product Description: TriAx TX160 geogrid is a product manufactured in Georgia, whose function is to stabilize the unbound aggregate layer of a roadway section, via lateral confinement of the aggregate. TriAx TX160 is manufactured from punched polypropylene, which is then oriented in three substantially equilateral directions, so that the resulting ribs have a high degree of molecular orientation.

Material Composition: Punch and drawn polypropylene geogrid.

Recommended Use: Subgrade stabilization (reduction in excavation or aggregate layer thickness), and/or pavement optimization (increased load carrying capacity or reduced thickness of aggregate).

Product meets GDOT Specification: Product falls outside of current GDOT specification.

Cost: \$1-5/S.Y.

Committee Recommendation:

Important Dates:

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NPE #: 1601-5 – Huesker – “Fornit 20/20”

Product Description: Knitted geogrid, polymer coated.

Material Composition: Polypropylene yarns knitted in a grid structure and polymer coated.

Recommended Use: Road base stabilization.

Product meets GDOT Specification: No Existing GDOT Specification.

Cost: \$2.20/yd²

Committee Recommendation:

Important Dates:

Notes:

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NPE #: 1601-6 – Huesker – “Fornit 30”

Product Description: Knitted geogrid, polymer coated.

Material Composition: Polypropylene yarns knitted in a grid structure and polymer coated.

Recommended Use: Road base stabilization.

Product meets GDOT Specification: No Existing GDOT Specification.

Cost: \$2.20/yd²

Committee Recommendation:

Important Dates:

Notes:

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NPE #: 1601-7 – Synteen Technical Fabrics, Inc. – “TF120”

Product Description: TF120 is a biaxial geogrid composed of high molecular weight, high tenacity multifilament polyester yarns, woven into a stable network placed under tension. The high strength polyester yarns are PVC coated and are inert to biological degradation and are resistant to naturally encountered chemicals, alkalis and acids.

Material Composition: Composed of high molecular weight, high tenacity multifilament polyester yarns, woven into a stable network placed under tension. The high strength polyester yarns are PVC coated and are inert to biological degradation and are resistant to naturally encountered chemicals, alkalis and acids.

Recommended Use: Used in base coarse reinforcement applications such as highways, haul roads, parking lots, etc. to achieve equivalent performance with a reduced aggregate base course thickness (typical reductions of 25% to 50%).

Product meets GDOT Specification: No Existing GDOT Specification.

Cost: \$2.50 yd² FOB Lancaster, SC

Committee Recommendation:

Important Dates:

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NPE #: 1601-8 – Synteen Technical Fabrics, Inc. – “SF12”

Product Description: SF12 is a biaxial geogrid composed of high molecular weight, high tenacity multifilament polyester yarns, woven into a stable network placed under tension. The high strength polyester yarns are PVC coated and are inert to biological degradation and are resistant to naturally encountered chemicals, alkalis and acids.

Material Composition: Composed of high molecular weight, high tenacity multifilament polyester yarns, woven into a stable network placed under tension. The high strength polyester yarns are PVC coated and are inert to biological degradation and are resistant to naturally encountered chemicals, alkalis and acids.

Recommended Use: Used in base coarse reinforcement applications such as highways, haul roads, parking lots, etc. to achieve equivalent performance with a reduced aggregate base course thickness (typical reductions of 25% to 50%).

Product meets GDOT Specification: No Existing GDOT Specification.

Cost: \$2.00 yd² FOB Lancaster, SC

Committee Recommendation:

Important Dates:

Notes:

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NPE #: 1601-9 – Synteen Technical Fabrics, Inc. – “STF P12”

Product Description: STF P12 geogrid is composed of polypropylene resin which is extruded into a stable geogrid structure. STF P12 geogrid is inert to biological degradation and resistant to naturally encountered chemical, alkalis and acids.

Material Composition: STF P12 geogrid is composed of polypropylene resin which is extruded into a stable geogrid structure. STF P12 geogrid is inert to biological degradation and resistant to naturally encountered chemical, alkalis and acids.

Recommended Use: Used in base coarse reinforcement applications such as highways, haul roads, parking lots, etc. to achieve equivalent performance with a reduced aggregate base course thickness (typical reductions of 25% to 50%).

Product meets GDOT Specification: No Existing GDOT Specification.

Cost: \$1.25 yd² FOB Lancaster, SC

Committee Recommendation:

Important Dates:

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